

PRODUCT BULLETIN
GYPSUM PRODUCTS

GYPSUM WALLBOARD
5/8" NULL-A-FIRE
HIGH DENSITY TYPE X
KW-503 - 1 HOUR

BULLETIN NO: B-6B
DATE: 4/1/71
PAGE: 1 of 3

APPROVALS:

ASTM C 36

CANCELS: NEW
DATE:

PRODUCING PLANTS: Long Beach, Antioch, Seattle, Jacksonville and Delanco

		<u>All Plants</u>
Board Stucco	(S-1, S-2)	2685 - 2800
Paper Fiber	(B-G-1)	0 - 10
Vermiculite Ore	(RM-B 28)	65 - 70
Glass Fiber	(B-G-1)	5.8 - 6.2
Starch	(RM-B-11)	9.0 - 12.5
Dextrose	(RM-B-3)	0 - 3
Core Foaming Agent:		
ALS	(B-G-1)	0.1 - 1.0
AAS	(B-G-1)	0.1 - 0.8
Lignin	(B-G-1)	3.0 - 4.0
End Trim	(B-G-1)	10 - 30
Potassium Sulfate	(B-G-1)	0 - 1
Retarder	(B-G-1)	0 - 0.5
Hydrated Lime	(RM-P-3)	0 - 1.2

PAPER LINERS:

Manila and Greyback Paper, widths as required for 24", 30" or 48" wide KW-503 panel manufacture.

OPERATING SPECIFICATIONS: (Refer to Product Bulletin B-G-2 for General Specifications)

	<u>All Plants</u>
Slurry Slump	5-1/2 - 9
Slurry Setting Time (minutes)	2 - 4-3/4
Wet Slurry Weight (lbs/c.f.)	95 - 105
Wet Compressive Strength, psi	250 - 450

Moisture Content at the Take-off shall be maintained at 10% to 25%; average, 14%.

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OPERATING SPECIFICATIONS: (cont.)

SPECIAL NOTE: High density board will require special handling at the wet and dry end. All transfer belts MUST be in good condition and adjusted for maximum traction. Heavy board will slip unless equipment is in good order.

PRODUCT SPECIFICATIONS: (Refer to Product Bulletin B-G-4 for General Specifications)

All Plants

Wet Weight (lbs/MSF)	4925 - 5125
Dry Weight (lbs/MSF)	3400 - 3550
Evaporation Loss (lbs/MSF)	1500 - 1700
Thickness - Average (in)	.600 - .625
Thickness - Individual Reading (in)	± .010 From Average

Profile - Variations in surface of back plane shall not be greater than 0.010" within a 6" span measured across the width.

Edges - Bevel Edge

Edge Hardness at Take-off (lbs)- 8.0 Minimum - 13 Average - 18 Maximum

End Peel After Sawing (in) - 1/8 Maximum

Flexural Strength (min)

Across Grain (lbs)	180
Parallel (lbs)	62
(UL Minimum - 62)	

Deflection at Break (min)

Across Gain (in)	0.25
Parallel (in)	0.15

Punch Test (lbs)

600 - 1000

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PRODUCT SPECIFICATIONS: (cont.)

All Plants

Twist Test, Maximum Split

Face (in)

3/4

Back (in)

3/4

Hammer Loss Test (Decigrams)

Individual Test (max)

5.0

Bond at High Humidity (max peel)

Face (in)

1/2

Back (in)

1/2

Back Printing shall read:

5/8" KW 503 - TYPE X

X 5/8" KW 503 - TYPE X